

Appendix Test Data

Report No.:	18220WC20217001	Test Sample No.:	1-2-2
Start Test Date:	2022.9.13	Finish Test Date:	2022.9.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.652	2402.356	0.5	PASS
		2440	0.676	2439.676	2440.352	0.5	PASS
		2480	0.688	2479.664	2480.352	0.5	PASS

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Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0515	2401.4990	2402.5505
		2440	1.0473	2439.5026	2440.5499
		2480	1.0555	2479.4992	2480.5547



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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.41	≤30	PASS
		2440	0.55	≤30	PASS
		2480	0.74	≤30	PASS

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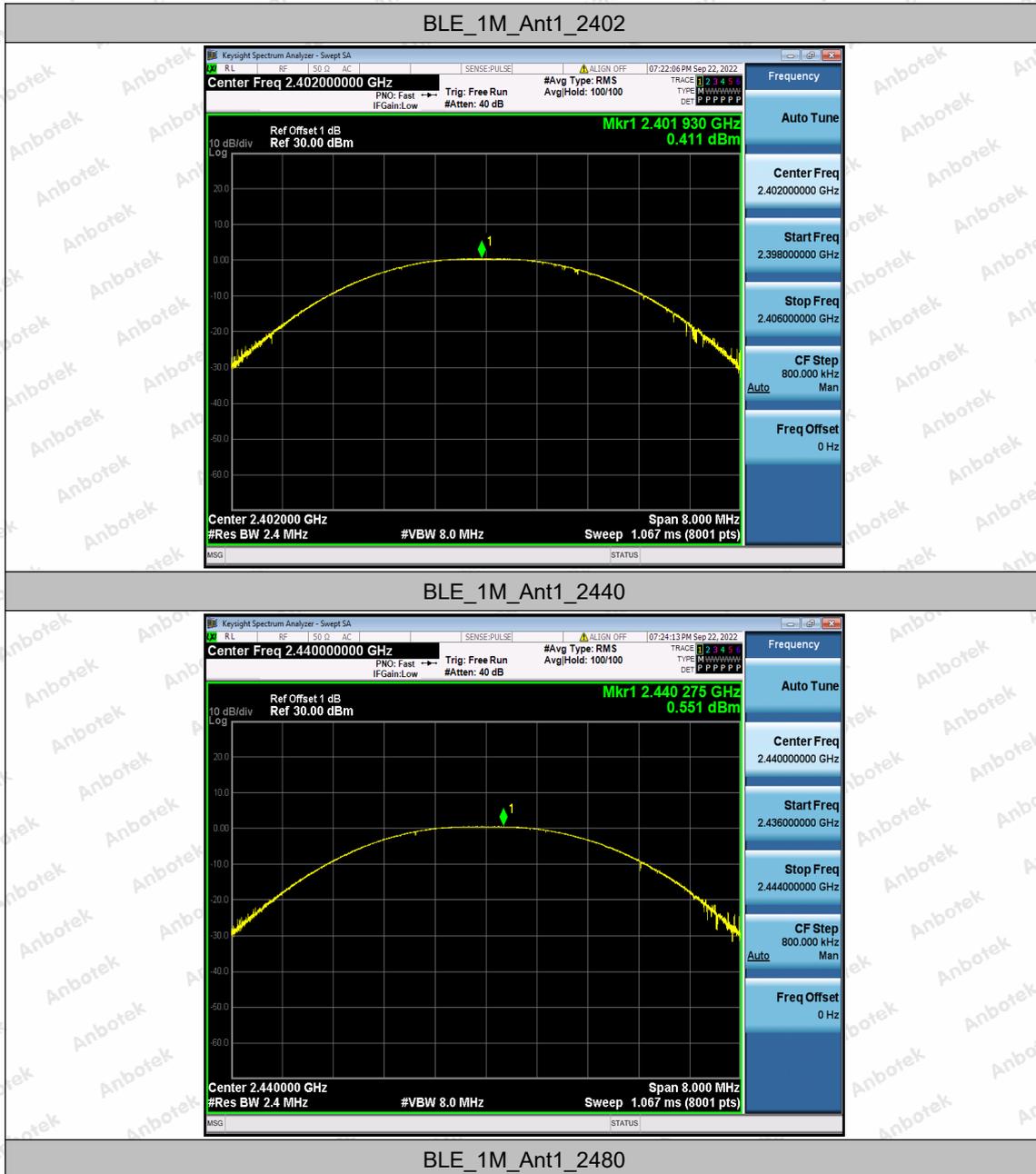
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Test Graphs Peak

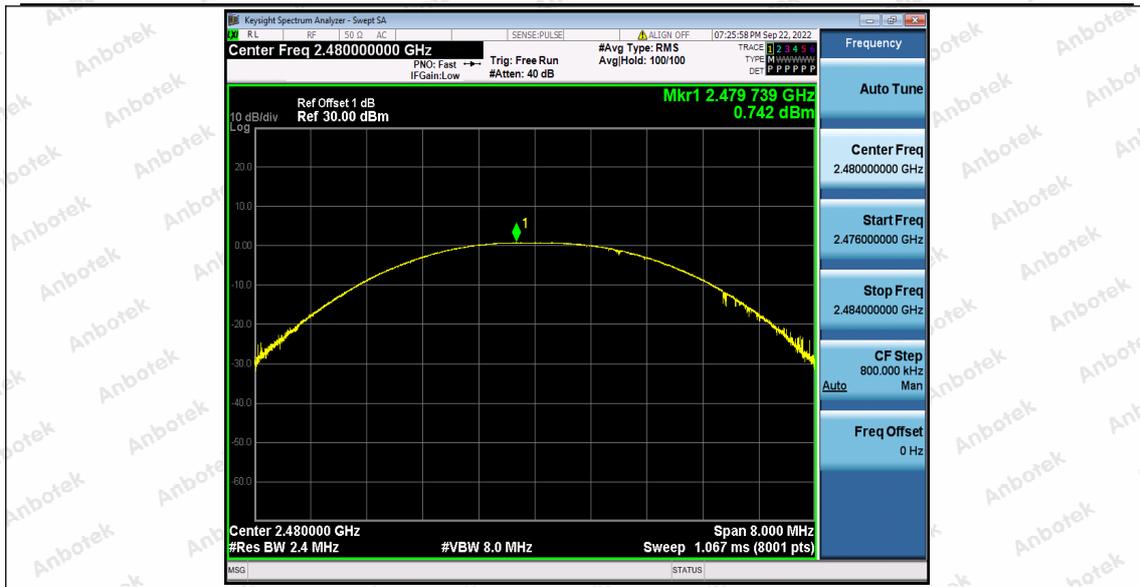


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.08	≤8.00	PASS
		2440	-17.01	≤8.00	PASS
		2480	-16.72	≤8.00	PASS

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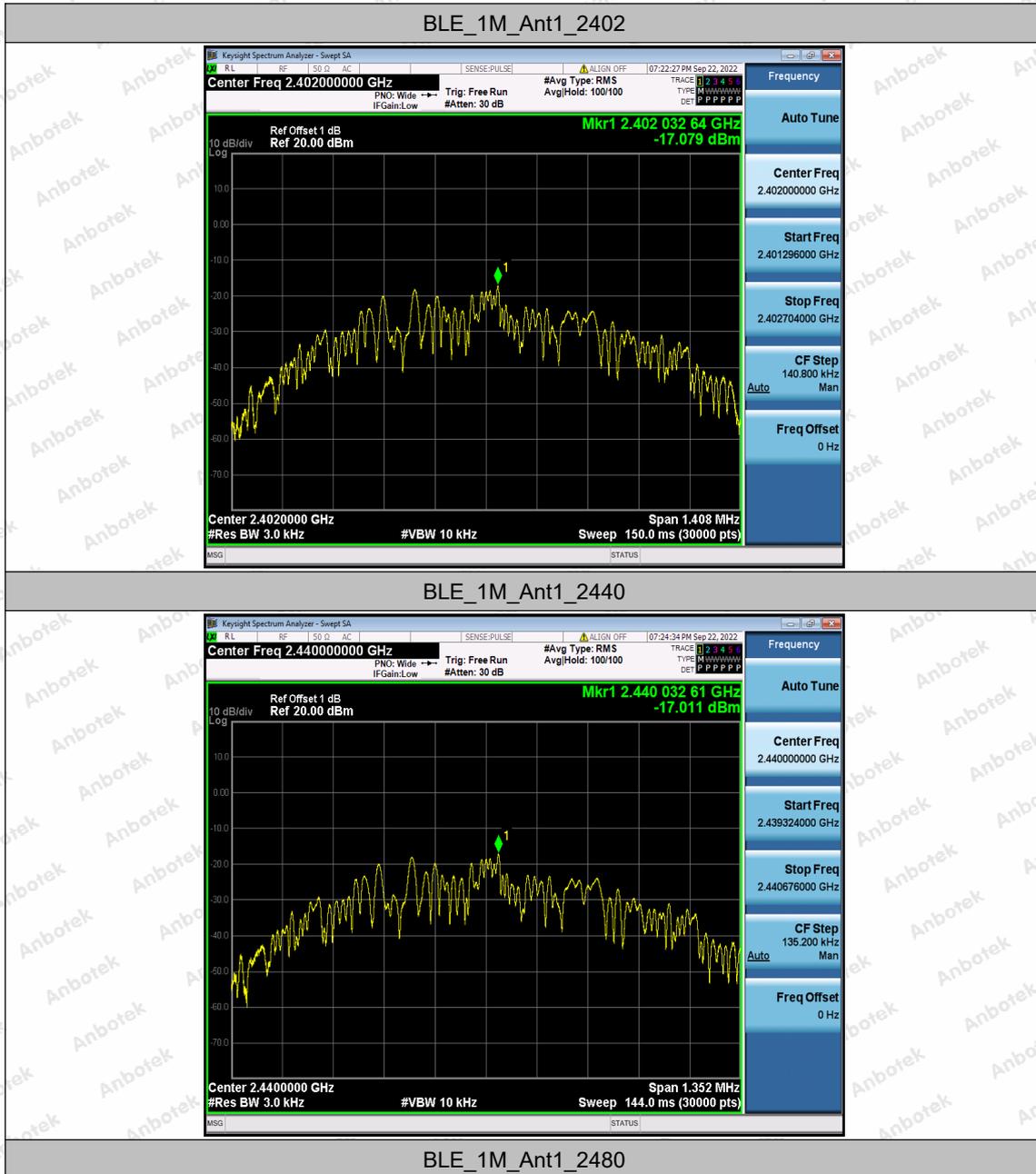
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.20	-48.37	≤-19.81	PASS
		High	2480	0.43	-52.43	≤-19.57	PASS

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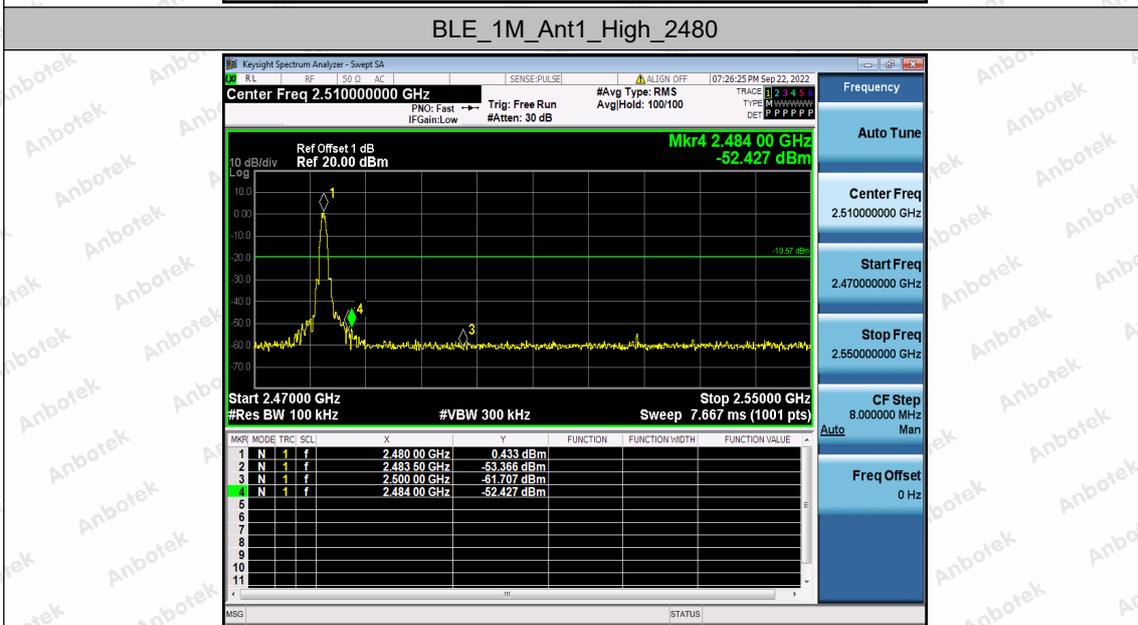
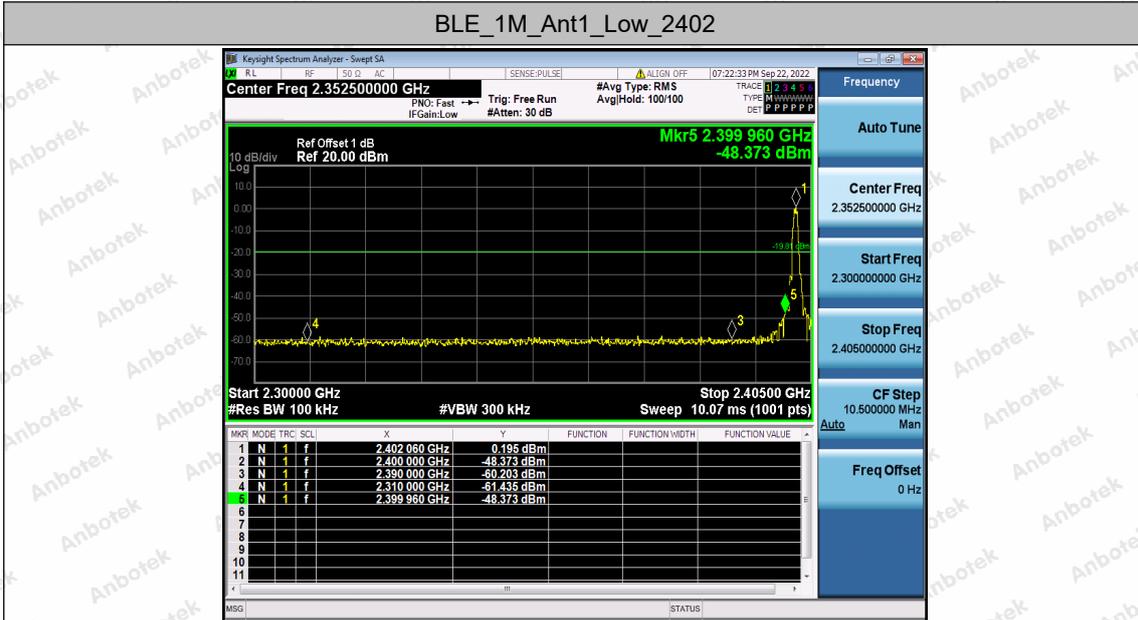
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-69.17	≤-29.69	PASS
			1000~26500	0.31	-44.02	≤-29.69	PASS
		2440	Reference	0.44	0.44	---	PASS
			30~1000	0.44	-69.53	≤-29.56	PASS
			1000~26500	0.44	-45.18	≤-29.56	PASS
		2480	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-69.63	≤-29.34	PASS
			1000~26500	0.66	-45.79	≤-29.34	PASS

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Test Graphs

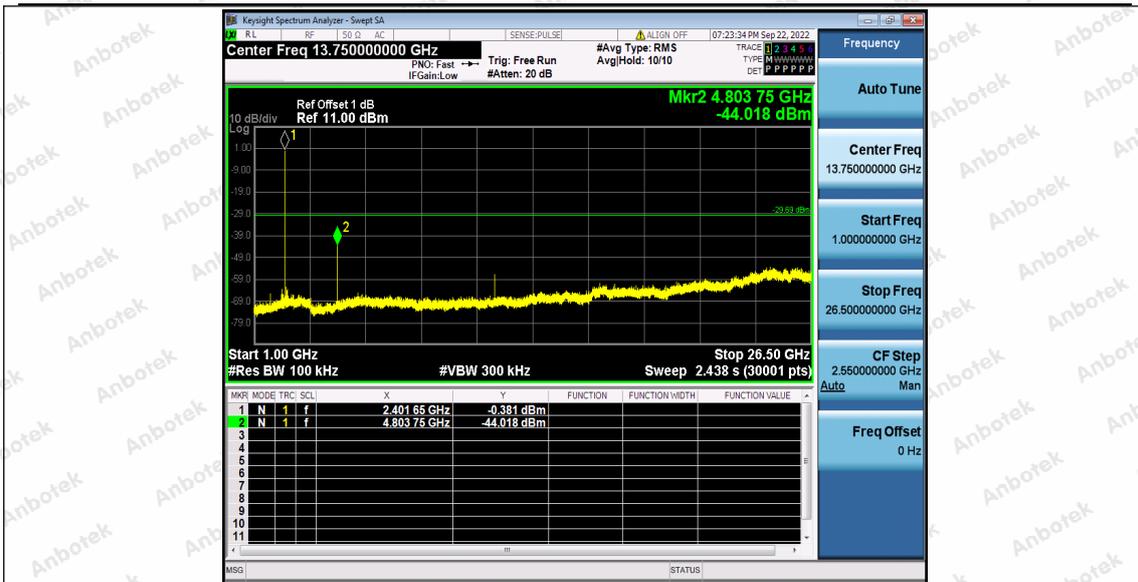


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BLE_1M_Ant1_2440_0~Reference



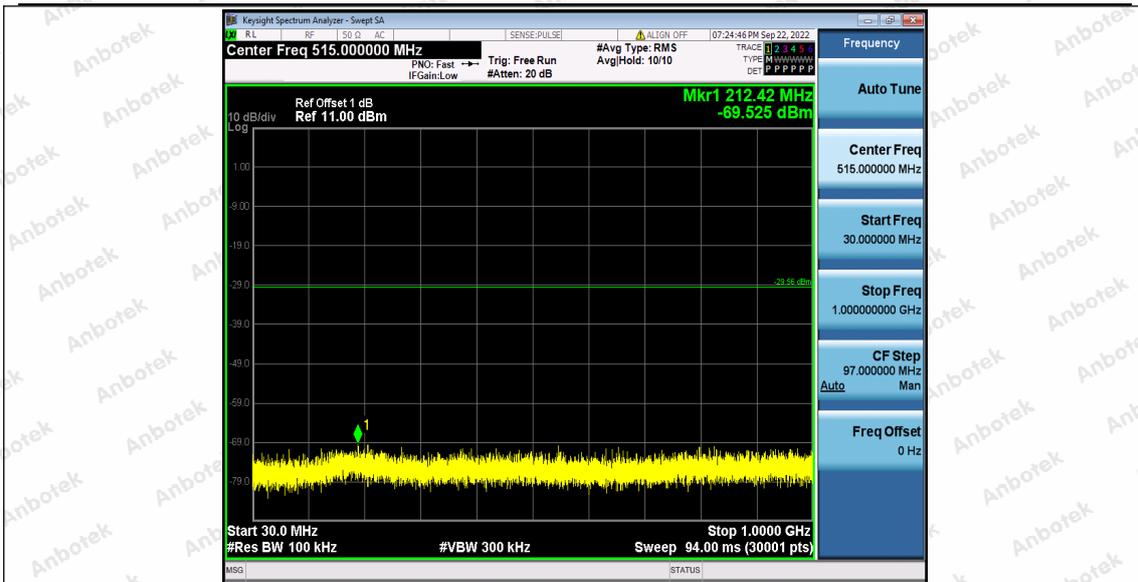
BLE_1M_Ant1_2440_30~1000

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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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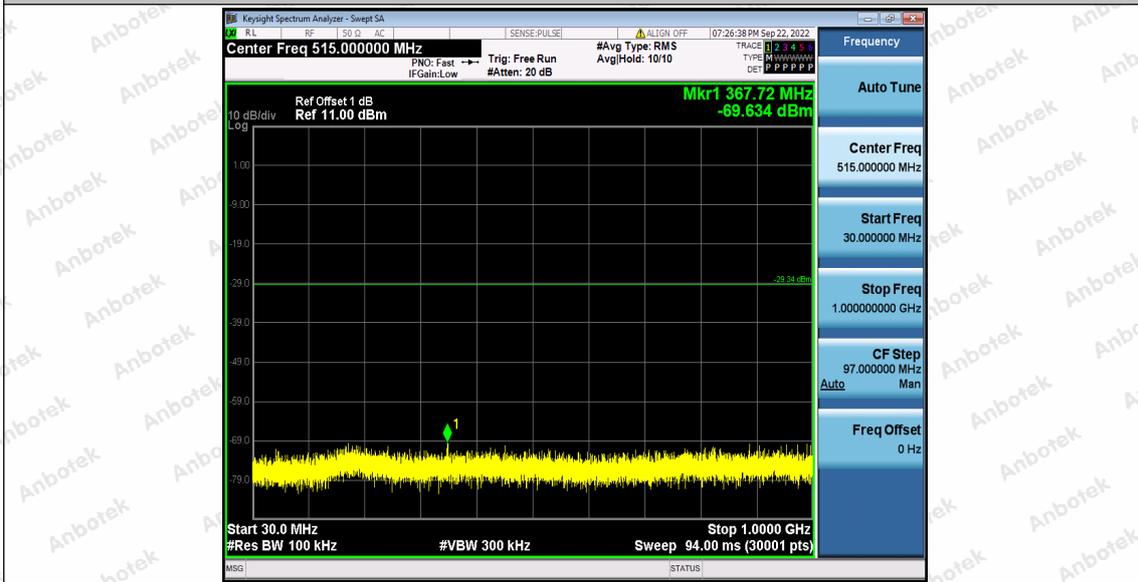
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BLE_1M_Ant1_2480_30~1000



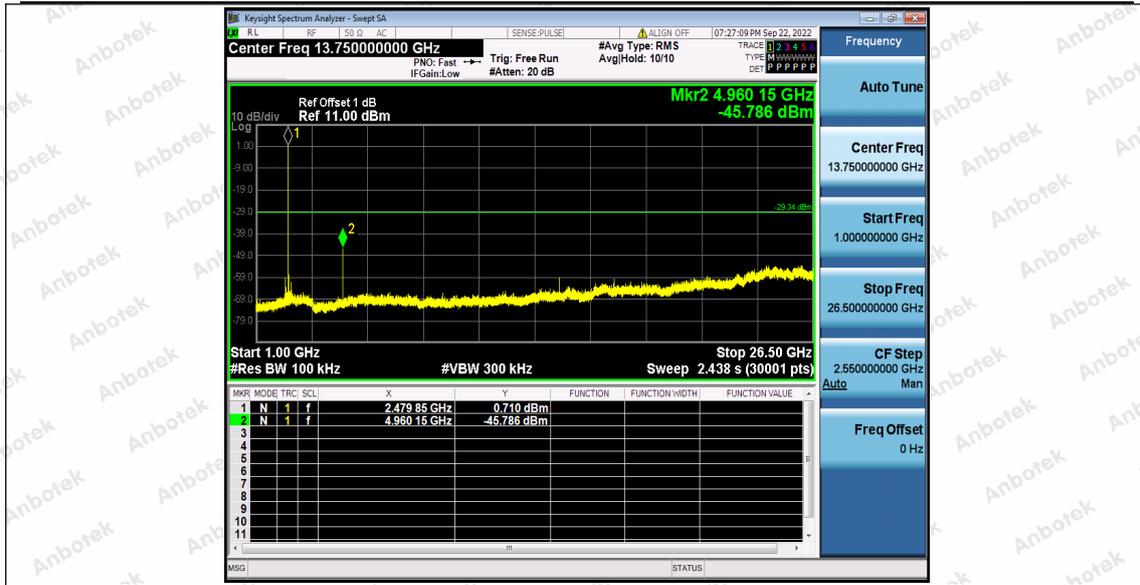
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.11	0.63	17.46	7.58
		2440	0.11	0.63	17.46	7.58
		2480	0.11	0.63	17.46	7.58

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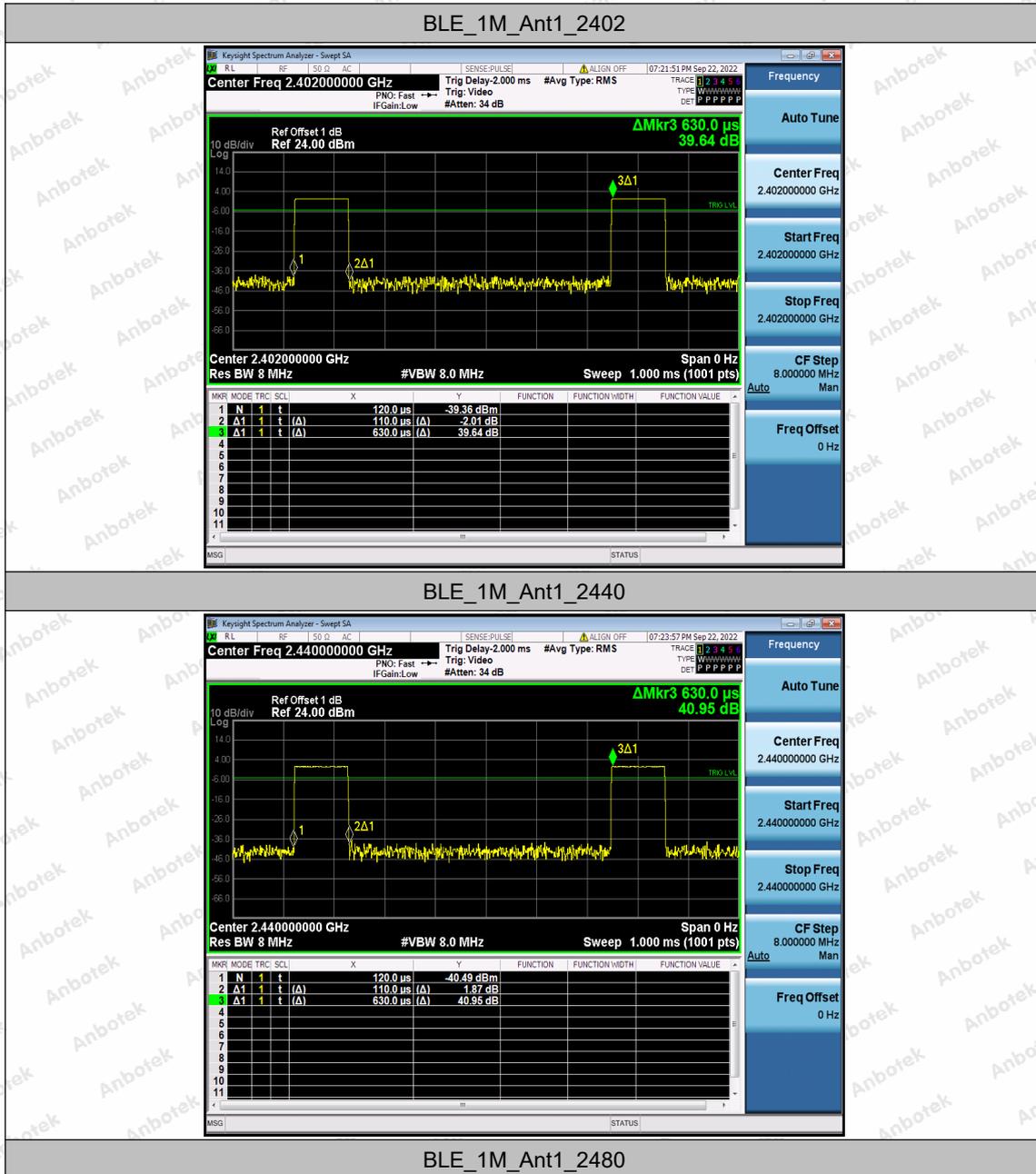
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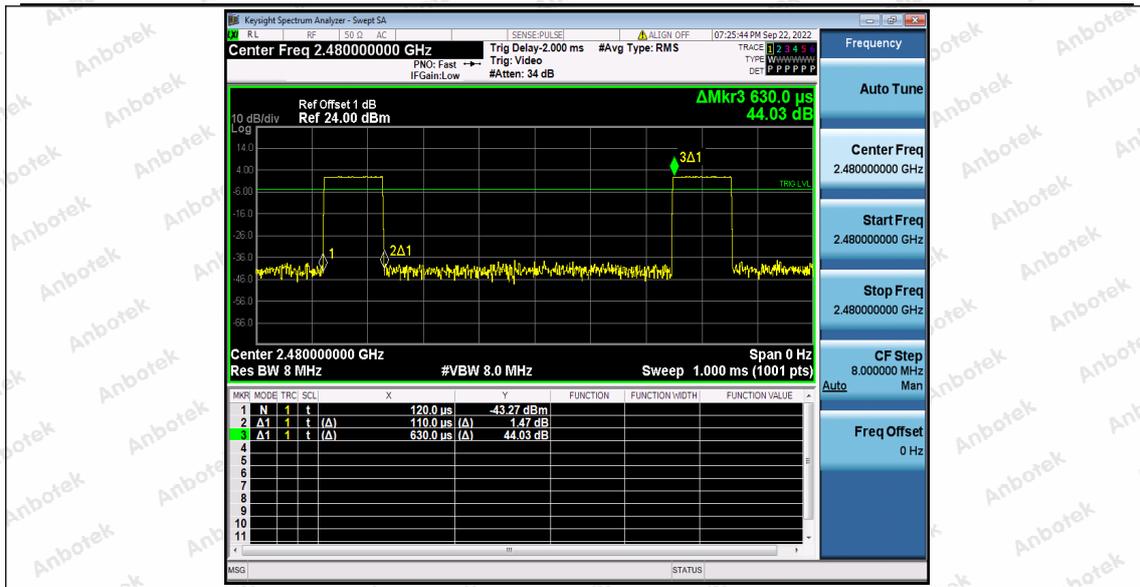


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Test Graphs





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